

REMARKS

Claims 1-33 are pending in this application.

Claims 1-7, 15-21, and 29-31 were withdrawn from further consideration as being drawn to a nonelected invention. Applicants have canceled claims 1-7, 15-21, and 29-31 without prejudice.

Claims 8-13, 22-27, 32, and 33 were rejected under 35 U.S.C. § 102(b) as being anticipated by Fooyontphanich et al. U.S. Patent No. 4,205,429 (hereinafter "Fooyontphanich").

Claims 14 and 28 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Fooyontphanich.

The Examiner's rejections are respectfully traversed.

Applicants' invention, as defined by independent claims 8, 22, and 32, relates to methods for inserting a coil, or a portion thereof, into a dynamoelectric machine component. A portion of a stretch of the coil is pushed into the slot in a direction having a circumferential component with respect to the longitudinal axis of the machine component's bore. The capability of pushing the stretch in a direction having a circumferential component with respect to the longitudinal axis is beneficial for inserting coils into machine component slots that are

difficult to access from the axial region of the bore (see, e.g., paragraph [0006] of applicant's specification).

Fooyontphanich refers to inserting coils into machine stator assemblies having radially inward facing slots. A coil guiding device 65 having tapered surfaces 67 is used to guide the coils during the insertion process. Deflecting pins are used to prevent damage to the slot insulators.

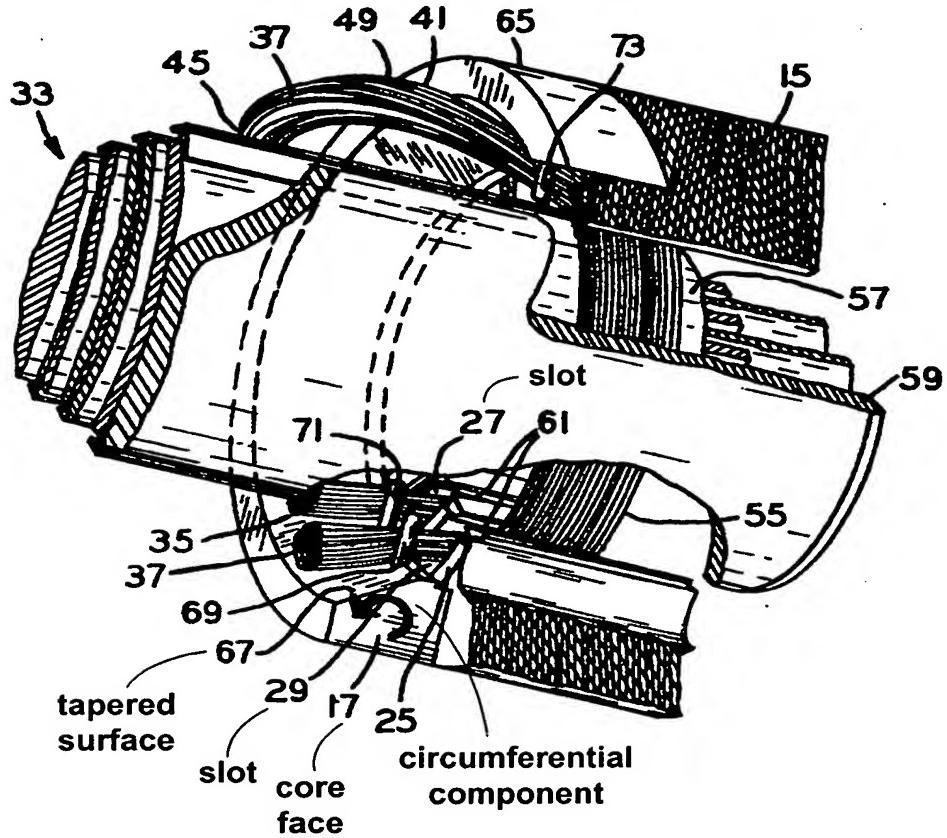
The Examiner contends that Fooyontphanich teaches a method of inserting prepared or pre-wound coils into a stator by "pushing the stretch portion into the slot in a circumferential direction with respect to the axis" (Office Action, page 4). Contrary to the Examiner's contention, Fooyontphanich refers to inserting coils into machine stator assemblies having radially inward facing slots. There would be no need to apply an inserting motion having a circumferential component with respect to the axis to install coils with the Fooyontphanich device.

The Examiner relies on the following disclosure by Fooyontphanich in making his rejection:

As illustrated in FIGS. 2 and 3, the side turn portions 49 of the coils 35 and 37 are also deflected circumferentially relative to the core face 17 along the tapered surface 67 prior to their entrance into their respective slots (column 5, line 66 - column 6, line 2). The Examiner contends that this statement by Fooyontphanich shows "pushing the stretch portion into the slot in a

circumferential direction with respect to the axis."

However, the circumferential component described above is disclosed to be "relative to the core face 17." This component is illustrated on the following copy of Fooyontphanich's FIG. 2.



The motion described by Fooyontphanich is a folding outward motion "along the tapered surface 67."

Applicant's claimed circumferential component is defined with respect to the longitudinal axis of the machine component, and applicant's component lies in a plane perpendicular to the plane of the circumferential component cited from Fooyontphanich by the Examiner. Furthermore,

applicant's circumferential motion is defined with respect to the longitudinal axis, because such a motion may aid the coil insertion process for slots that are not easily accessible from the axial region of the bore.

Fooyontphanich illustrates radially inward facing slots (see, e.g., slots 27 and 29 of the above reproduction of FIG. 2). Therefore, it is seen that Fooyontphanich does not show, nor would it need, a pushing motion having a circumferential direction with respect to the axis. Thus, Fooyontphanich fails to show each and every feature of applicant's claimed invention, as defined by independent claims 8, 22, and 32. Thus, the rejection of claims 8-13, 22-27, 32, and 33 under 35 U.S.C. § 102(b) should be withdrawn.

Accordingly, applicants respectfully submit that independent claims 8, 22, and 32 are allowable. Claims 9-14, 23-28, and 33, which depend from independent claims 8, 22, and 32, are allowable because independent claims 8, 22, and 32 are allowable. Applicants respectfully request that the rejection of claims 8-14, 22-28, 32, and 33 be withdrawn.

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Applicants respectfully submit that this patent application is in condition for allowance. Reconsideration and allowance are respectfully requested.

Respectfully submitted,



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